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L2 ANSWER 80 OF 105 CAPLUS COPYRIGHT 2003 ACS
AN 1954:17586 CAPLUS

DN 48:17586

OREF 48:3172i,3173a

TI Electrolytic chromium plating

PA N. V. Metallic Industry

DT Patent

LA Unavailable

CC 4 (Electrochemistry)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	NL 73083		19530815	NL	
AB	For electrolytic Cr plating of metals, such as Ni, Fe, and Cu, especially for protection against corrosion, in a bath contg. CrO ₃ , no other inorg. acids but one or more sulfonic acids or salts, preferably contg. one or more OH or NH ₂ groups, are used in the bath in quantities of 1-25 g./l., preferably 3-10 g./l. Thus baths with great covering value or Hull cell range are obtained. Acids or their salts which may be used are sulfanilic acids,				
IT	1,2,4-naphthalenetrisulfonic acid, 4-aminonaphthalenesulfonic acid, 1-amino-3,6-naphthalenedisulfonic acid, 1-amino-2-naphthol-4-sulfonic acid.		In an example a bath was used contg. 300 g. CrO ₃ /l. and 6 g. 7-amino-1-naphthol-3-sulfonic acid/l. for plating a Ni-plated Fe object at 25.degree.. At a cathodic c.d. of 20 amp./sq. dm. a good-adhering, shining Cr layer was obtained. In the Hull cell a layer 7-8 cm. wide was obtained in 10 min.		
IT	Corrosion		(prevention of, Cr plating in)		
IT	Chromium alloys, iron-		(Cr electrolytic recovery from, soln. for)		
IT	1,2,4-Naphthalenetrisulfonic acid		1-Naphthol-3-sulfonic acid, 7-amino-		
			2-Naphthol-4-sulfonic acid, 1-amino-		
			(in chromium electroplating)		
IT	7440-02-0, Nickel		(chromium electroplating on)		
IT	7440-50-8, Copper		(electroplating on, with Cr)		
IT	7440-47-3, Chromium		(electroplating with)		
IT	7440-47-3, Chromium		(electroplating with, baths or solns. for)		
IT	84-86-6, Naphthionic acid		121-57-3, Sulfanilic acid	6251-07-6,	
			2,7-Naphthalenedisulfonic acid, 4-amino-		
			(in chromium electroplating)		

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